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IN REPLY  
REFER TO

DSCC-VAT

1 July 2004

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Draft of MIL-PRF-8805 /11J, /14F, /15G, /17G, /18G, /19F, /23G, /25F, /34E, /38G, /40H, /47G, /48H, /49H, /65D, /76H, /84E, /90F, /96E, /100F, /101K, /104C, /107C, /110D, and /114C.  
Project numbers 5930-1838 through -1863.

The drafts of the above subject documents are being sent to you for review and comments. These drafts consist of the following changes:

Updating of referenced documents.  
Incorporation of amendments.

If these documents are of interest to you, please provide your comments electronically. This can be in the form of a return e-mail, with or without an attached text file. A 45-day coordination cycle from the date of this letter has been allotted. Please provide your comments within that time period. If no comments are received in the allotted 45 day coordination cycle, concurrence is assumed and all comments received after will be held to the first amendment. If an electronic response is not possible we will still accept comments via letter, facsimile or phone call but only after you have contacted the project officer listed below. The draft documents can be found at the following DSCC-VA web page:

[www.dsccl.dla.mil/Programs/MilSpec/initialdrafts.asp](http://www.dsccl.dla.mil/Programs/MilSpec/initialdrafts.asp)

This process still requires military departments to identify their comments as "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians or this office, as applicable, in sufficient time to allow for consolidating the department reply.

If there are any questions, please contact Mark Rush by the preferred method of E-Mail at [Mark.Rush@dlm.mil](mailto:Mark.Rush@dlm.mil) or by telephone at commercial 614-692-0550, DSN 850-0550; or by facsimile at 614-693-1644. Our mailing address as a last resort is Defense Supply Center, Columbus, DSCC-VAT, P.O. Box 3990, Columbus, OH 43216-5000. If you have further questions or concerns you may contact me at [Kendall.Cottongim@dlm.mil](mailto:Kendall.Cottongim@dlm.mil), by telephone at 614-692-0676 or by facsimile at 614-692-6939.

/ SIGNED /  
KENDALL A. COTTONGIM  
Chief  
Electronics Components Team



NOTE: This draft, dated July 1, 2004 prepared by DLA-CC,  
has not been approved and is subject to modification.  
DO NOT USE PRIOR TO APPROVAL.  
(Project 5930-1840)

INCH-POUND

MIL-PRF-8805/15G  
DRAFT

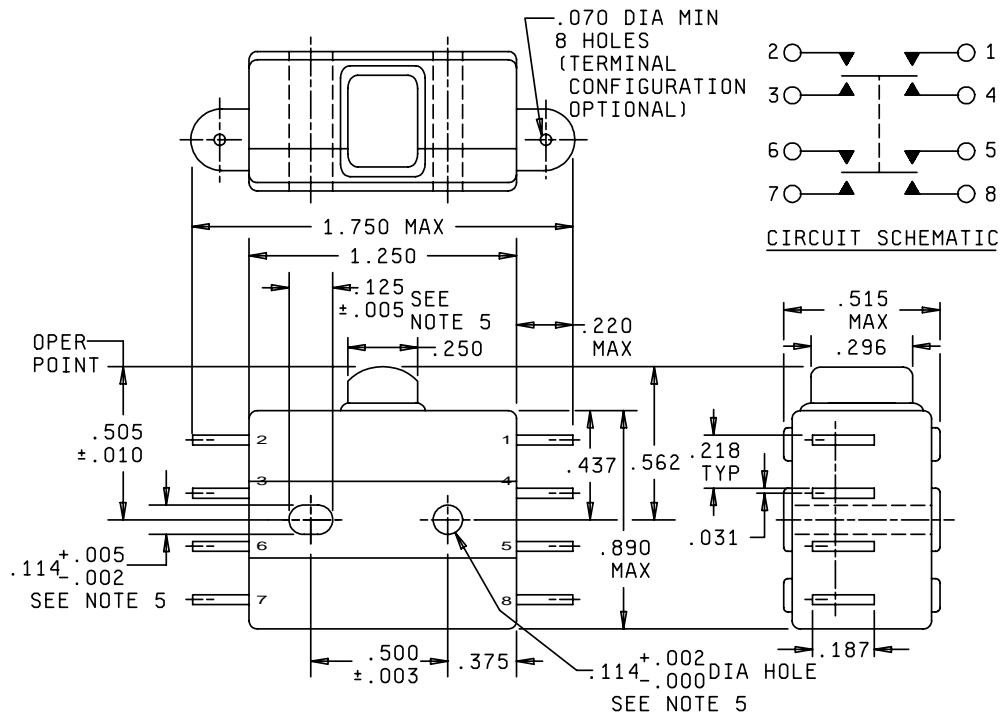
SUPERSEDING  
MIL-PRF-8805/15F  
3 September 1999

## PERFORMANCE SPECIFICATION SHEET

### SWITCHES, SENSITIVE-MOMENTARY, 4 CIRCUIT, 15 AMPERES, UNSEALED

This specification is approved for use by all Departments and Agencies of the Department of Defense.

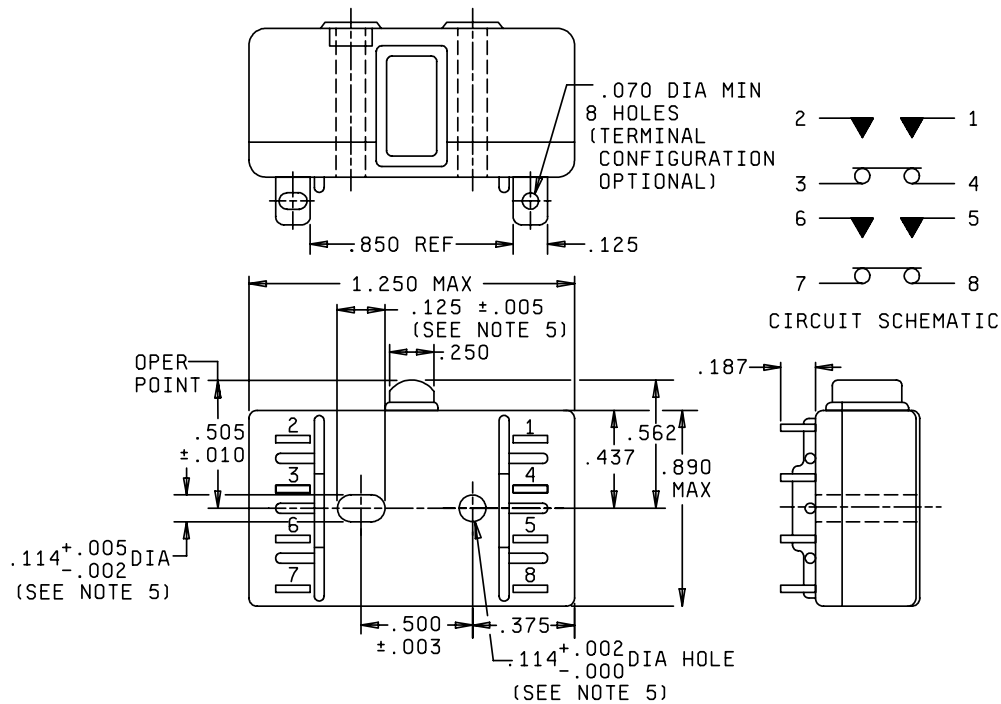
The complete requirements for acquiring the switches described herein shall consist of this specification and the latest issue of MIL-PRF-8805.



MS25348-1

FIGURE 1. Dimensions and configurations.

MIL-PRF-8805/15G



MS25349-1

Inches	mm	Inches	mm	Inches	mm
.002	0.05	.187	4.75	.505	12.83
.003	0.08	.218	5.54	.515	13.08
.005	0.13	.220	5.59	.562	14.27
.010	0.25	.250	6.35	.850	21.59
.031	0.71	.296	7.52	.890	22.61
.070	1.78	.375	9.53	.620	15.75
.114	2.90	.437	11.10	1.250	31.75
.125	3.18	.500	12.70	1.750	44.45

NOTES:

1. Dimensions are in inches.
2. Unless otherwise stated, tolerance is ±.015 (0.38 mm).
3. Exact shape of switch optional provided dimensions specified are not exceeded.
4. Metric equivalents are given for general information only.
5. Dimensions shown are case mounting holes. Cover mounting holes may exceed these dimensions.
6. MS25348 and MS25349 were superseded by MIL-PRF-8805/15, MS25348 and MS25349 Part Numbers (PINS) were retained.

FIGURE 1. Dimensions and configurations (continued)

MIL-PRF-8805/15G

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Enclosure design: 1 (unsealed).

Temperature characteristic: 1 (-55°C to +85°C).

Shock type: M (100 g).

Vibration grade: 1 (10 to 500 Hz)

Weight: .03 pound maximum.

Operating characteristics:

Actuating force ..... 2.18 pounds maximum

Movement differential ..... .035 inch maximum.

Pretravel ..... .060 inch maximum.

Overtravel ..... .015 inch minimum.

± 20 percent  
variation from  
specified values  
acceptable after test.

Strength of actuating means: 25 pounds.

Terminal strength: 5 pounds.

Mechanical endurance: 100,000 cycles.

Electrical endurance: 50,000 cycles.

Electrical ratings: See table I.

Dielectric withstanding voltage: 1,000 V rms. After electrical endurance, the dielectric withstanding voltage points of application between all unconnected terminals of the same pole is not applicable.

Qualification:

Group submission: See table II.

Part number: See table III.

TABLE I. Electrical ratings.

Load	Sea level	
	28 V dc	115 V ac, 400 Hz
	amperes	amperes
Resistive	15	15
Inductive	10	15
Lamp	10	6

MIL-PRF-8805/15G

TABLE II. Qualification inspection.

Examination or test	Basic switch	Other switch samples	Extent of approval
Qualification inspection table of MIL-PRF-8805	MS25348-1 (all sample units)	MS25349-1 (3 sample units) Visual and mechanical examination	All

TABLE III. Part numbers and characteristics.

Part number	Terminal configuration
MS25348-1	End solder terminal
MS25349-1	Side solder terminal

NOTE: MS25348 and MS25349 were superseded by MIL-PRF-8805/15, MS25348 and MS25349 Part Numbers (PINS) were retained.

Referenced Documents:  
MIL-PRF-8805

Custodians:  
Air Force - 11  
Army - CR  
DLA - CC  
Navy - EC

Preparing activity:  
DLA - CC  
  
(Project 5930-1840)

Review activities:  
Air Force - 19, 99  
Army - AR, MI  
Navy - AS, OS, MC, SH

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at [www.dodssp.daps.mil](http://www.dodssp.daps.mil)T.